CENTRAL FORGE®

2 PIECE #4 JACK AND MINI PLANE SET

Model 92553

ASSEMBLY INSTRUCTIONS

Distributed Exclusively by HARBOR FREIGHT TOOLS®

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For technical questions and replacement parts, please call 1-800-444-3353

Specifications

#4 Jack Plane	Cast Iron Body, Cast Iron Frog with Steel Blade, Wood Handle and Knob, 2" Wide Blade @ 25 Degrees
Mini Block Plane	Stamped Steel Body with Poly Adjustment Knob and Steel Blade, 1.3" Wide Blade @ 25 Degrees

Save This Manual

You will need the manual for the safety warnings and precautions, assembly instructions, operating and maintenance procedures, parts list and diagram. Keep your invoice with this manual. Write the invoice number on the inside of the front cover. Keep the manual and invoice in a safe and dry place for future reference.

Safety Warnings and Precautions

WARNING: When using product, basic safety precautions should always be followed to reduce the risk of personal injury and damage to equipment.

Read all instructions before using this product!

1. **Keep work area clean**. Cluttered areas invite injuries.
2. **Observe work area conditions**. Do not use tools in damp or wet locations. Do not expose to rain. Keep work area well lighted.
3. **Check for damaged parts**. Before using any product, any part that appears damaged should be carefully checked to determine that it will perform its intended function. Check for any broken or damaged parts and any other conditions that may affect its operation. Any part that is damaged should be properly repaired or replaced by a qualified technician.
4. **Replacement parts and accessories**. When servicing, use only identical replacement parts. Use of any other parts will void the warranty. Only use accessories intended for use with this tool. Approved accessories are available from Harbor Freight Tools.
5. **Keep children away.** Children must never be allowed in the work area. Do not let them handle tools.
6. **Dress Properly.** Do not wear loose clothing or jewelry as they can be caught in moving parts. Protective, electrically nonconductive clothes and non-skid footwear are recommended when working. Wear restrictive hair covering to contain long hair.

7. **Store idle equipment.** When not in use, tools must be stored in a dry location to inhibit rust. Always lock up tools and keep out of reach of children.

8, **Use eye and hand protection.** Always wear ANSI approved impact safety goggles when setting up this product. Wear heavy duty work gloves when working with this product.

9. **Stay Alert.** Watch what you are doing, use common sense. Do not operate any tool when you are tired.

10. **Use eye protection.** Always wear ANSI approved impact safety goggles. Wear a full face shield if you are production metal filings or wood chips. Wear an ANSI approved dust mask or respirator when working around metal, wood, and chemical dusts and mists.

11. **Maintain products with care.** Keep tools sharp and clean for better and safer performance. Follow instructions for lubricating and changing accessories. The handle must be kept clean, dry, and free from oil and grease at all times.

12. **Take Caution as some woods contain preservatives such as copper chromium arsenate (CCA) which can be toxic**. When working with this type of wood, extra care should be taken to avoid inhalation and minimize skin contact.

13. **Do not overreach.** Keep proper footing and balance at all times.

14. **Do not operate any tool if under the influence of alcohol or drugs.** Read warning labels on prescriptions to determine if your judgement or reflexes are impaired while taking drugs. If there is any doubt, do not use this tool.

15. **Maintenance.** During periods of storage, coat the bare metal surfaces with light oil to inhibit rust.

Warning: The warnings, cautions, and instructions discussed in this instruction manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.

Unpacking

When unpacking this set, check to make sure that all parts are included as shown in the parts list. If any parts are missing or broken, please call Harbor Freight Tools at the number below.

Warning! Do not let the blade come into contact with your hands while planing or changing the blade. The blade is extremely sharp and can cause severe injury.

Operation

Refer to the Assembly Drawing on page 6 and Figure A below.

#4 Jack Plane

Note: The Blade (1) is movable and replaceable. Caution: Always be careful when handling the sharp blade.

1. To change or replace the Blade (1), loosen the Lever Cap Screw (4). Push down on the Lever Cap Assembly (3) and lift off the Frog Assembly (5). You can then lift out the Blade (1) for sharpening, adjusting or replacing. ***See Figure A.***

2. To set the Blade (1) back in so that it fits, position it over the Set Screw and be sure it is properly aligned. Replace the Lever Cap Assembly (3) and tighten the Lever Cap Screw (4). ***See Figure B.***

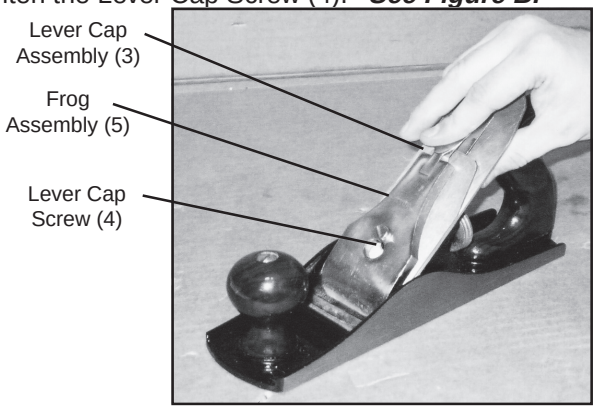


Figure A

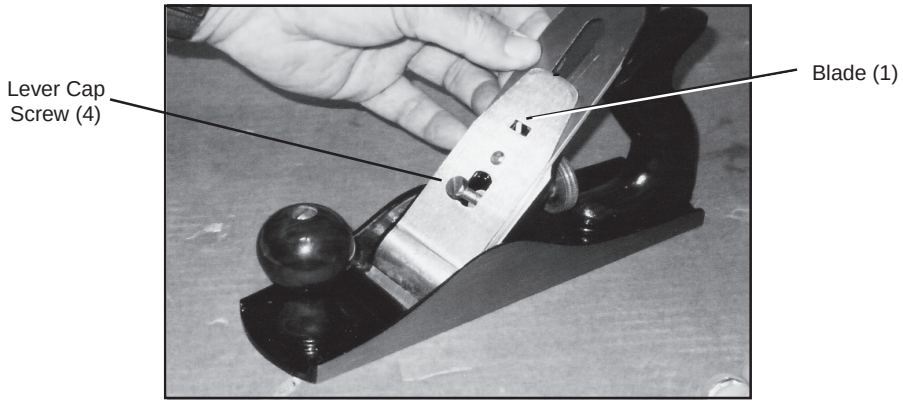


Figure B

3. Adjust the Blade (1) by pressing the Blade Adjustment Lever (9) from side to side to adjust the Blade angle. Turn the Adjustment Screw (8) to adjust the Blade depth. ***See Figure C.***

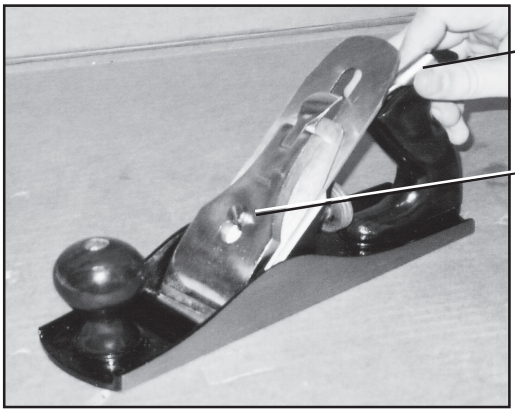


Figure C

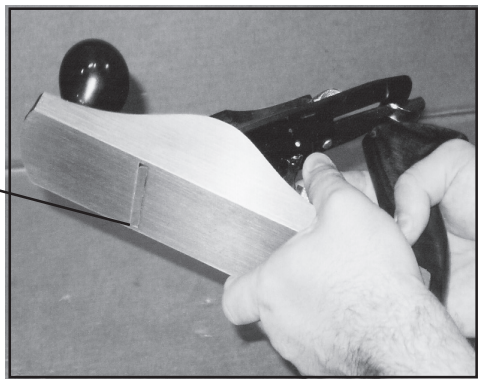


Figure D

4. Make sure the workpiece is securely fastened down.

5. Do not force the Plane or press down on it. Move it forward, taking off a little wood at a time. If the Plane does not move forward easily, adjust the Blade as explained in step 2 on previous page.

MINI BLOCK PLANE

Note: No replacement parts are available for this product.

Maintenence

1. During periods of storage, coat the bare metal surfaces with light oil to inhibit rust.

2. This product should be assembled and stored in a dry area.

Sharpening The Cutting Blade

Use an abrasive stone that is lubricated with light oil or paraffin.

While wearing work gloves, use two hands, one to grip the cutting blade to maintain the angle. The other hand should exert an even pressure just above the cutting edge.

Move the cutting blade along the abrasive stone in a figure-eight motion. Begin on the course side of the stone and finish sanding on the fine side. Always keep the blade at the same angle while sharpening.

After sharpening the blade there may be a ragged burr on the cutting edge of the blade.

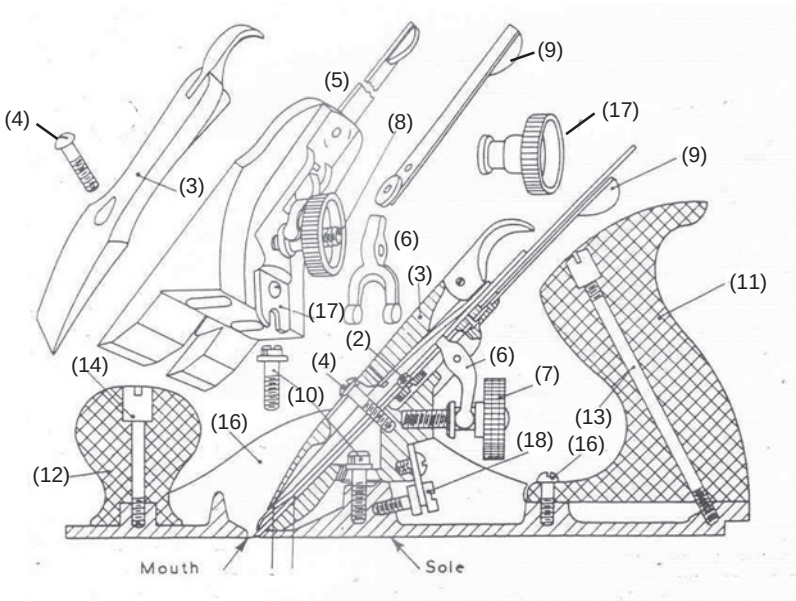
Remove this burr by gently rubbing the flat side of the blade on a fine abrasive stone.

Parts List -- #4 Jack Plane

Part #	Description	Qty.
1	Blade	1
2	Cap Iron	1
3	Lever Cap Assembly	1
4	Lever Cap Screw	1
5	Frog Assembly	1
6	Y Adjusting Lever	1
7	Adjusting Nut	1
8	Adjusting Screw	1
9	Blade Adjustment Lever	1

Part #	Description	Qty.
10	Screw and Washer for Frog	1
11	Handle	1
12	Knob	1
13	Bolt and Nut for Handle	1
14	Bolt and Nut for Knob	1
15	Screw for Handle Toe	1
16	Plane Body	1
17	Clip and Screw for Frog	1
18	Adjusting Screw for Frog	1

Parts Identification -- #4 Jack Plane



PLEASE READ THE FOLLOWING CAREFULLY

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NOTE: Some parts are listed and shown for illustration purposes only and are not available individually as replacement parts.